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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS	4	AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS	5	AUG 13	Field Availability (/FA) field enhanced in BEILSTEIN
NEWS	6	AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS	7	AUG 18	Simultaneous left and right truncation added to PASCAL
NEWS	8	AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS	9	AUG 18	Simultaneous left and right truncation added to ANABSTR
NEWS	10	SEP 22	DIPPR file reloaded
NEWS	11	DEC 08	INPADOC: Legal Status data reloaded
NEWS	12	SEP 29	DISSABS now available on STN
NEWS	13	OCT 10	PCTFULL: Two new display fields added
NEWS	14	OCT 21	BIOSIS file reloaded and enhanced
NEWS	15	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	16	NOV 24	MSDS-CCOHS file reloaded
NEWS	17	DEC 08	CABA reloaded with left truncation
NEWS	18	DEC 08	IMS file names changed
NEWS	19	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	20	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS EXPRESS			NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

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0.21

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FILE 'USPATFULL' ENTERED AT 14:39:08 ON 12 DEC 2003

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FILE 'EMBASE' ENTERED AT 14:39:08 ON 12 DEC 2003

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=> s (microemuls? or microdroplet? or liposom?)

L1 192040 (MICROEMULS? OR MICRODROPLET? OR LIPOSOM?)

=> s l1 and ((metbolizable oil) or (animal oil) or (unsaturated hydrocarbon) or terpenoid or squalene or (vegetable oil))

L2 4670 L1 AND ((METBOLIZABLE OIL) OR (ANIMAL OIL) OR (UNSATURATED HYDRO CARBON) OR TERPENOID OR SQUALENE OR (VEGETABLE OIL))

=> s l2 and (emulsif? or surfactant or (nonionic detergent) or (polyoxyethylene sorbitan) or (cationic detergent) or (hexadecyltrimethylammonium bromide) or (benzalkonium chloride) or (dimethyl dioct?))

L3 3320 L2 AND (EMULSIF? OR SURFACTANT OR (NONIONIC DETERGENT) OR (POLY OXYETHYLENE SORBITAN) OR (CATIONIC DETERGENT) OR (HEXADECYLTRIME THYLAMMONIUM BROMIDE) OR (BENZALKONIUM CHLORIDE) OR (DIMETHYL DIOCT?))

=> s l3 and (DOTAP or (dodecyltrimethylammonium bromide) or (benzyldimethylhexadecyl ammonium chloride) or (cetylpyridinium chloride) or (methylbenzethonium chloride) or (4 picoline dodecyl sulfate)

UNMATCHED LEFT PARENTHESIS 'AND (DOTAP'

The number of right parentheses in a query must be equal to the number of left parentheses.

=> s l3 and (DOTAP or (dodecyltrimethylammonium bromide) or (benzyldimethylhexadecyl ammonium chloride) or (cetylpyridinium chloride) or (methylbenzethonium chloride) or (4 picoline dodecyl sulfate))

L4 189 L3 AND (DOTAP OR (DODECYLTRIMETHYLAMMONIUM BROMIDE) OR (BENZYLD IMETHYLHEXADECYL AMMONIUM CHLORIDE) OR (CETYLPYRIDINIUM CHLORIDE) OR (METHYLBENZETHONIUM CHLORIDE) OR (4 PICOLINE DODECYL SULFAT E))

=> s l4 and sorbitan(w) (monoester or triestet or diester or monoether or diether or triether)

L5 4 L4 AND SORBITAN(W) (MONOESTER OR TRIESTET OR DIESTER; OR MONOETHE R OR DIETHER OR TRIETHER)

=> d l5 1-4 ibib abs

L5 ANSWER 1 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2003:200469 USPATFULL
TITLE: Microparticles for delivery of heterologous nucleic acids
INVENTOR(S): O'Hagan, Derek, Berkeley, CA, UNITED STATES
Otten, Gillis, Foster City, CA, UNITED STATES
Donnelly, John, Moraga, CA, UNITED STATES
Polo, John, Hayward, CA, UNITED STATES
Barnett, Susan, San Francisco, CA, UNITED STATES
Singh, Manmohan, Hercules, CA, UNITED STATES
Ulmer, Jeffrey, Danville, CA, UNITED STATES
Dubensky, Thomas, Piedmont, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003138453	A1	20030724
APPLICATION INFO.:	US 2001-967464	A1	20010928 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-236105P	20000928 (60)
	US 2001-315905P	20010830 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Chiron Corporation, Intellectual Property - R440, P O BOX 8097, Emeryville, CA, 94662-8097	
NUMBER OF CLAIMS:	77	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	3624	

CAS INDEXING IS AVAILABLE FOR THIS PATENT..

AB Microparticles with adsorbent surfaces, methods of making such microparticles, and uses thereof, are disclosed. The microparticles comprise a polymer, such as a poly(.alpha.-hydroxy acid), a polyhydroxy butyric acid, a polycaprolactone, a polyorthoester, a polyanhydride, and the like, and are formed using cationic, anionic, or nonionic detergents. Also provided are microparticles in the form of submicron emulsions of an oil droplet emulsion having a metabolizable oil and an **emulsifying** agent. The surface of the microparticles efficiently adsorb polypeptides, such as antigens, and nucleic acids, such as ELVIS vectors and other vector constructs, containing heterologous nucleotide sequences encoding biologically active macromolecules, such as polypeptides, antigens, and adjuvants. Methods of stimulating an immune response, methods of immunizing a host animal against a viral, bacterial, or parasitic infection, and uses of the microparticle compositions for vaccines are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 4 USPATFULL on STN

ACCESSION NUMBER: 1998:6804 USPATFULL
TITLE: Vaccine compositions containing **liposomes**
INVENTOR(S): Barchfeld, Gail L., Hayward, CA, United States
Ott, Gary, Oakland, CA, United States
Van Nest, Gary A., El Sobrante, CA, United States
PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5709879		19980120
APPLICATION INFO.:	US 1995-469444		19950606 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-308622, filed on 19 Sep 1994, now abandoned which is a continuation of Ser.		

No. US 1993-154160, filed on 18 Nov 1993, now abandoned
which is a continuation of Ser. No. US 1991-722862,
filed on 28 Jun 1991, now abandoned which is a
continuation-in-part of Ser. No. US 1990-546585, filed
on 29 Jun 1990, now abandoned

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Kishore, Gollamudi S.
LEGAL REPRESENTATIVE: Robins, Roberta L., McClung, Barbara G., Blackburn,
Robert P.
NUMBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 7 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 1961

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A vaccine composition, comprising an antigenic substance in association
with a **liposome** and an oil-in-water emulsion comprising a
muramyl peptide, a metabolizable oil, and optionally an additional
emulsifying agent. The two components of the adjuvant (i.e., the
liposome/antigen component and the emulsion component) act
together to produce high levels of immune response.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 4 EUROPATFULL COPYRIGHT 2003 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 1060732 EUROPATFULL EW 200051 FS OS
TITLE: Novel topical formulations comprising vesicle delivery
systems.
Neue topische Formulierungen die Verabreichungssysteme
mit Vesikeln enthalten.
Nouvelles formulations topiques contenant des systemes
d'administration vesiculaires.
INVENTOR(S): Niemiec, Susan M., 1808 Waterford Road, Yardley, PA
19067, US;
Nystrand, Glenn A., 409 Edgewood Lane, Lebanon, NJ
08833, US;
Wang, Jonas C.T., 23 Ellsworth Drive, West Windsor, NJ
08550, US;
Ho, Kie L., 53 Stonewall Circle, Princeton, NJ 08540, US
PATENT ASSIGNEE(S): JOHNSON & JOHNSON CONSUMER PRODUCTS, INC., Grandview
Road, Skillman, New Jersey 08558-9418, US
PATENT ASSIGNEE NO: 522236
AGENT: Mercer, Christopher Paul, Carpmiels & Ransford 43,
Bloomsbury Square, London WC1A 2RA, GB
AGENT NUMBER: 46611
OTHER SOURCE: BEPA2000098 EP 1060732 A2 0041
SOURCE: Wila-EPZ-2000-H51-T1b
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R
GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R
SE; R AL; R LT; R LV; R MK; R RO; R SI
PATENT INFO.PUB.TYPE: EPA2 EUROPAEISCHE PATENTANMELDUNG
PATENT INFORMATION:

	PATENT NO	KIND DATE
	EP 1060732	A2 20001220
'OFFENLEGUNGS' DATE:		20001220
APPLICATION INFO.:	EP 2000-304542	20000526
PRIORITY APPLN. INFO.:	US 1999-320894	19990527

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 489153 EUROPATFULL EW 199941 FS PS
 TITLE: VACCINE COMPOSITIONS CONTAINING LIPOSOMES.
 LIPOSOMEN ENTHALTENDE
 IMPFSTOFFZUSAMMENSETZUNGEN.
 COMPOSITIONS DE VACCINS CONTENANT DES LIPOSOMES

INVENTOR(S): BARCHFELD, Gail, L., 404 Central Avenue, Apt. B,
 Alameda, CA 94501, US;
 OTT, Gary, 6625 Knobcone Street, Tahoma, CA 95733, US;
 VAN NEST, Gary, A., 4890 San Pablo Dam Road, El
 Sobrante, CA 94803, US
 PATENT ASSIGNEE(S): CHIRON CORPORATION, 4560 Horton Street, R440, Emeryville
 California 94608-2916, US
 PATENT ASSIGNEE NO: 572531
 AGENT: Hallybone, Huw George, CARPMAELS AND RANSFORD 43
 Bloomsbury Square, London WC1A 2RA, GB
 AGENT NUMBER: 53031
 OTHER SOURCE: EPB1999058 EP 0489153 B1 991013
 SOURCE: Wila-EPS-1999-H41-T1
 DOCUMENT TYPE: Patent
 LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
 DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R
 IT; R LI; R LU; R NL; R SE
 PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale
 Anmeldung)

PATENT INFORMATION:

	PATENT NO	KIND	DATE
	EP 489153	B1	19991013
'OFFENLEGUNGS' DATE:			19920610
APPLICATION INFO.:	EP 1991-914563		19910625
PRIORITY APPLN. INFO.:	US 1990-546585		19900629
RELATED DOC. INFO.:	WO 91-US4532	910625	INTAKZ
	WO 9200081	920109	INTPNR
REFERENCE PAT. INFO.:	EP 171260 A	US 4199565	A
	US 4396630 A	US 4772466	A
REF. NON-PATENT-LIT.:	The Journal of Immunology, Volume 141, No. 5, issued 01 September 1988, I. SANCHEZ-PESCADOR et al., "The effect of adjuvants on the efficacy of a recombinant herpes simplex virus glycoprotein vaccine", pages 1720-1727, see page 1721. The Journal of Infectious Diseases, Volume 160, No. 6, issued December 1989, K.P. ANDERSON et al., "Effect of dose and immunization schedule on immune response of baboons to recombinant glycoprotein 120 of HIV-1", pages 960-969, see Abstract		

=> d 15 1-4 ibib abs

L5 ANSWER 1 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2003:200469 USPATFULL

TITLE: Microparticles for delivery of heterologous nucleic acids

INVENTOR(S): O'Hagan, Derek, Berkeley, CA, UNITED STATES
Otten, Gillis, Foster City, CA, UNITED STATES
Donnelly, John, Moraga, CA, UNITED STATES
Polo, John, Hayward, CA, UNITED STATES
Barnett, Susan, San Francisco, CA, UNITED STATES
Singh, Manmohan, Hercules, CA, UNITED STATES
Ulmer, Jeffrey, Danville, CA, UNITED STATES
Dubensky, Thomas, Piedmont, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003138453	A1	20030724
APPLICATION INFO.:	US 2001-967464	A1	20010928 (9)

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LEGAL REPRESENTATIVE:	Chiron Corporation, Intellectual Property, R440, P O BOX 8097, Emeryville, CA, 94662-8097	
NUMBER OF CLAIMS:	77	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	3624	

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 4 USPATFULL on STN

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TITLE: Vaccine compositions containing **liposomes**

INVENTOR(S): Barchfeld, Gail L., Hayward, CA, United States
Ott, Gary, Oakland, CA, United States
Van Nest, Gary A., El Sobrante, CA, United States
PATENT ASSIGNEE(S): Chiron Corporation, Emeryville, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5709879		19980120

APPLICATION INFO.: US 1995-469444 19950606 (8)
RELATED APPLN. INFO.: Continuation of Ser. No. US 1994-308622, filed on 19
Sep 1994, now abandoned which is a continuation of Ser.
No. US 1993-154160, filed on 18 Nov 1993, now abandoned
which is a continuation of Ser. No. US 1991-722862,
filed on 28 Jun 1991, now abandoned which is a
continuation-in-part of Ser. No. US 1990-546585, filed
on 29 Jun 1990, now abandoned

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Kishore, Gollamudi S.
LEGAL REPRESENTATIVE: Robins, Roberta L., McClung, Barbara G., Blackburn,
Robert P.

NUMBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 7 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 1961

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A vaccine composition, comprising an antigenic substance in association
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muramyl peptide, a metabolizable oil, and optionally an additional
emulsifying agent. The two components of the adjuvant (i.e., the
liposome/antigen component and the emulsion component) act
together to produce high levels of immune response.

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L5 ANSWER 3 OF 4 EUROPATFULL COPYRIGHT 2003 WILA on STN

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

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TITLE: Novel topical formulations comprising vesicle delivery
systems.
Neue topische Formulierungen die Verabreichungssysteme
mit Vesikeln enthalten.
Nouvelles formulations topiques contenant des systemes
d'administration vesiculaires.
INVENTOR(S): Niemiec, Susan M., 1808 Waterford Road, Yardley, PA
19067, US;
Nystrand, Glenn A., 409 Edgewood Lane, Lebanon, NJ
08833, US;
Wang, Jonas C.T., 23 Ellsworth Drive, West Windsor, NJ
08550, US;
Ho, Kie L., 53 Stonewall Circle, Princeton, NJ 08540, US
PATENT ASSIGNEE(S): JOHNSON & JOHNSON CONSUMER PRODUCTS, INC., Grandview
Road, Skillman, New Jersey 08558-9418, US
PATENT ASSIGNEE NO: 522236
AGENT: Mercer, Christopher Paul, Carpmiels & Ransford 43,
Bloomsbury Square, London WC1A 2RA, GB
AGENT NUMBER: 46611
OTHER SOURCE: BEPA2000098 EP 1060732 A2 0041
SOURCE: Wila-EPZ-2000-H51-T1b
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R AT; R BE; R CH; R CY; R DE; R DK; R ES; R FI; R FR; R
GB; R GR; R IE; R IT; R LI; R LU; R MC; R NL; R PT; R
SE; R AL; R LT; R LV; R MK; R RO; R SI
PATENT INFO.PUB.TYPE: EPA2 EUROPAEISCHE PATENTANMELDUNG
PATENT INFORMATION:

PATENT NO	KIND	DATE
EP 1060732	A2	20001220

'OFFENLEGUNGS' DATE: 20001220

APPLICATION INFO.: EP 2000-304542 20000526
PRIORITY APPLN. INFO.: US 1999-320894 19990527

L5 ANSWER 4 OF 4 EUROPATFULL COPYRIGHT 2003 WILA on STN

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 489153 EUROPATFULL EW 199941 FS PS
TITLE: VACCINE COMPOSITIONS CONTAINING **LIPOSOMES**.
LIPOSOMEN ENTHALTENDE
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COMPOSITIONS DE VACCINS CONTENANT DES **LIPOSOMES**

INVENTOR(S): BARCHFELD, Gail, L., 404 Central Avenue, Apt. B,
Alameda, CA 94501, US;
OTT, Gary, 6625 Knobcone Street, Tahoma, CA 95733, US;
VAN NEST, Gary, A., 4890 San Pablo Dam Road, El
Sobranate, CA 94803, US
PATENT ASSIGNEE(S): CHIRON CORPORATION, 4560 Horton Street, R440, Emeryville
California 94608-2916, US
PATENT ASSIGNEE NO: 572531
AGENT: Hallybone, Huw George, CARPMAELS AND RANSFORD 43
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AGENT NUMBER: 53031
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LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R AT; R BE; R CH; R DE; R DK; R ES; R FR; R GB; R GR; R
IT; R LI; R LU; R NL; R SE
PATENT INFO.PUB.TYPE: EPB1 EUROPAEISCHE PATENTSCHRIFT (Internationale
Anmeldung)

PATENT INFORMATION:

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APPLICATION INFO.:	EP 1991-914563		19910625
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REFERENCE PAT. INFO.:	EP 171260 A	US 4199565	A
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FILE 'CAPLUS, USPATFULL, EUROPATFULL, JAPIO, MEDLINE, BIOSIS, EMBASE'
ENTERED AT 14:39:08 ON 12 DEC 2003

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L2 4670 S L1 AND ((METBOLIZABLE OIL) OR (ANIMAL OIL) OR (UNSATURATED HY
L3 3320 S L2 AND (EMULSIF? OR SURFACTANT OR (NONIONIC DETERGENT) OR (P
L4 189 S L3 AND (DOTAP OR (DODECYLTRIMETHYLAMMONIUM BROMIDE) OR (BENZ
L5 4 S L4 AND SORBITAN(W) (MONOESTER OR TRIESTET OR DIESTER OR MONOE

=>